

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 08-269392

(43)Date of publication of application : 15.10.1996

(51)Int.Cl. C09D171/02
 C08G 59/40
 C08G 59/40
 C08G 83/00
 C09D 4/02
 C09D 5/00
 G02B 6/44

(21)Application number : 07-100733

(71)Applicant : TOAGOSEI CO LTD

(22)Date of filing : 31.03.1995

(72)Inventor : NIWA MAKOTO
 OTA HIROYUKI

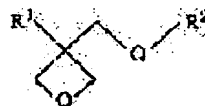
(54) ACTIVE ENERGY BEAM-CURING TYPE COMPOSITION FOR PRIMARY COATING OF OPTICAL FIBER

(57)Abstract:

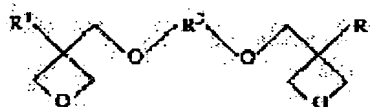
PURPOSE: To obtain the subject composition having excellent curing property and giving a cured film having excellent heat resistance, hydrolysis resistance, water absorption resistance and low tensile elastic modulus, comprising a compound having an oxetane ring and a photo-cationic polymerization initiator.

CONSTITUTION: The objective active energy beam-curing type composition for primary coating of an optical fiber having excellent curing property and giving a cured film having excellent resistances, against heat, hydrolysis and water absorption, etc., is obtained by mixing a compound having 1-4 pieces of oxetane rings expressed by formula I (R¹ is H or a 1-6C alkyl; R² is a 1-6C alkyl), formula II [R³ is an alkylene, a poly(alkyleneoxy) or carbonyl, etc.] and formula III (R⁹ is a trifunctional or a tetrafunctional organic group; (j) is 3 or 4), etc., with a photocationic polymerization initiator (e.g.

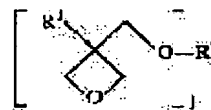
benzophenone), and further, as necessary adding at least one kind among a compound having an epoxy group, a compound having a vinyl ether group and a compound having (meth) acryloyl group, etc.



I



II



III

LEGAL STATUS

[Date of request for examination] 03.08.2001

[Date of sending the examiner's decision of rejection] 27.07.2004

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]